

 Draft (April 4, 2013)

Dave Carson

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Dan
Gravatt
Must Jefferson
Jaci

Potential Resources to assist with Landfill Fires

Public
mtg done 25th

1) Paul Ruesch - OSC, EPA Region 5

- Instructor for recurring EPA On-Scene Coordinator (OSC) Readiness Course entitled "Detection, Evaluation, & Suppression of Waste Fires & Sub-surface Reactions in Landfills" with the most recent offering in 2012. He co-taught this course with Region 9 OSCs Michelle Rogow and Daniel Shane and state/industry expert Todd Thalhamer.
- Served as EPA OSC for several landfill fires including a Republic Services operated landfill in Ohio and is familiar with air monitoring and TICs associated with landfill fires
- Has potential reach back capability to other EPA colleagues and state and industry experts including landfill fire expert, Todd Thalhamer, of California Department of Resources, Recycling and Recovery. Note: Mr. Thalhamer is also a president of a consulting company, instructor for another consulting company, and a lieutenant with a fire department.

2) Dr. Brian Gullet - EPA ORD National Risk Management Research Laboratory (NRMRL) Air Pollution Prevention and Control Division (APPCD)

- Emissions research on U.S. and international landfill fires
- Has potential reach back capability to contact other ORD and external university experts including Susan Thorneloe of ORD NRMRL APPCD who oversaw the development of the EPA ORD document entitled "Guidance for Evaluating Landfill Gas Emissions from Closed or Abandoned Facilities" dated September 2005. Susan also considers Todd Thalhamer and a University of Central Florida professor, Dr. Debra Reinhardt, to be landfill fire experts.

3) Dr. John McKernan - ORD National Risk Management Research Laboratory (NRMRL) Engineering Technical Support Center

- Can assist with coordination of other agency landfill experts through the ORD NRMRL Engineering Technical Support Center including:

- Dr. Thabet Tolaymat
- Dr. Souhail Al-Abed
- David Carson - Branch Chief

4) Select examples of landfill fires for potential reference

- Countywide Landfill, Ohio
- Kona Landfill, Hawaii
- Other national/international examples and references can be provided from select experts

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Groskinsky, Brenda

Becky

From: McKernan, John
Sent: Tuesday, May 28, 2013 8:41 AM
To: Groskinsky, Brenda
Cc: Carson, David; Weber, Robert
Subject: RE: ORD NRMRL Engineering Technical Support Center Contact and others
Signed By: McKernan.John@epa.gov

Don, Mike, Sy, Mark

Hi Brenda-

sub surface FIRE // oxidation

Dave Carson recommends holding the meeting at 4 Eastern instead so we can get Thabet on board.

Thoughts?

Thank you,

John

From: Carson, David
Sent: Tuesday, May 28, 2013 9:37 AM
To: McKernan, John
Subject: RE: ORD NRMRL Engineering Technical Support Center Contact and others

Thabet can join if we move call to 4pm, he is ORD's top scientist for landfill fires.

David

From: McKernan, John
Sent: Tuesday, May 28, 2013 9:35 AM
To: Weber, Robert; Tapia, Cecilia; Hammerschmidt, Ron
Cc: Singletary, DeAndre; Groskinsky, Brenda; Barth, Edwin; Carson, David; Tolaymat, Thabet
Subject: RE: ORD NRMRL Engineering Technical Support Center Contact and others

Hi Rob-

Just spoke with Brenda. We were talking about having a call today at 3 Eastern (2 Central) to discuss the North St. Louis County landfill fire R7 is currently responding to. For everyone's information, I've included the link to the Rolling Stone article on the issue.

<http://www.rollingstone.com/politics/news/st-louis-is-burning-20130510>

I called David Carson, waste management Branch Chief (ORD/LRPCD), and he will be available to talk at 3. Brenda indicated that she would try to contact Dr. Brian Gullet. If Brian accepts, we would have a landfill and an air person to talk with.

I'll call Paul Ruesch in R5 right now to see if I can round him up for our call this afternoon as well.

Thanks, and talk soon.

John

John McKernan, Sc.D., CIH
Commander, U.S. Public Health Service

U.S. Environmental Protection Agency
ORD Engineering Technical Support Center
26 W. Martin Luther King Dr., Mail Stop 489A
Cincinnati, OH 45268
513.569.7415 (Voice)
513.569.7676 (Fax)
513.284.9717 (Mobile)
McKernan.John@epa.gov

From: Weber, Robert
Sent: Thursday, May 23, 2013 5:12 PM
To: Tapia, Cecilia; Hammerschmidt, Ron
Cc: Singletary, DeAndre; Groskinsky, Brenda; McKernan, John
Subject: ORD NRMRL Engineering Technical Support Center Contact and others

As requested regarding landfill subsurface smoldering events.

- 1) ORD NRMRL ETSC Director, Dr. John McKernan's, contact information.

John McKernan, Sc.D., CIH
Commander, U.S. Public Health Service

U.S. Environmental Protection Agency
ORD Engineering Technical Support Center
26 W. Martin Luther King Dr., Mail Stop 489A
Cincinnati, OH 45268
513.569.7415 (Voice)
513.569.7676 (Fax)
513.284.9717 (Mobile)
McKernan.John@epa.gov

- 2) You may also wish to work via John to access Dr. Brian Gullet of NRMRL RTP.

Gullet.brian@epa.gov
919-541-1534

- 3) Note that Paul Ruesch, an OSC in Region 5, is also an expert.

Ruesch.paul@epa.gov
312-886-7898

Rob

Robert Weber
Physical Scientist (Regional Superfund and Technology Liaison (STL))
Office of Research and Development / Office of Science Policy and
Region 7 Superfund Division / Special Emphasis Remedial Branch

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E-mail: weber.robort@epa.gov

846621
Suzanne
Res.

Public mtg in June. MONE
2nd Round of GW
Aspect
3rd round
monitoring

July 98
next 6 wks

US EPA Office of Research and Development

sub to the D 30-40 acres
Landfill NW corner
MONE
River POP
airport
sub surface combustion

Bradley side - amputation

education
VDT seminar
what it is?
what causes it

mu coalition
cd the groups
facebook
amazon -
gives around
20-30

15 {
1 EMMY
1 emergency
11.1. Supr Buck
1 Don
1 Chuck Hops
1 Jack
1 Bick
1 OPA
11 CNSL Audrey
1 Dave
1 Kevin
11 today open
Vaci staff record
sub surface comb.

sub surface events?
loop? who on ORD
Reviews stuff
interview support process

experts: PS
Todd That has mtr
Recorded training

Last wk - consent agreement w/ Rep.
MONE - approve
contingency plans
to RAD area

Aspect plan
back in March

Radiation - west lake
surface rad. above back ground
Report done
and will be
release
MONE



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ORD

last wk - Jan / Rana, Cindy

ORD + status internet

we have been asking wrong question
research needs

- 1) look down
- 2) short term

what are your problems

- 1) research now + in future

Tues / Wed

discussion for status
ECOS - Fall

ECOS - Spring ORD
2015 research
plan

ex.

- 1) Drinking water contamination
factor into Omaha

Missouri source possible?? sta ——— ORD

